



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIBDATASHEET

CONFIRMATION NO. 6689

Bib Data Sheet

SERIAL NUMBER 10/654,988	FILING OR 371(c) DATE 09/05/2003 RULE	CLASS 360	GROUP ART UNIT 2627	ATTORNEY DOCKET NO. 242454US2SRD
------------------------------------	---	---------------------	-------------------------------	--

APPLICANTS

Masatoshi Yoshikawa, Yokohama-shi, JAPAN;
 Masayuki Takagishi, Kawasaki-shi, JAPAN;
 Masashi Sahashi, Yokohama-shi, JAPAN;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

JAPAN 2002-261774 09/06/2002

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 11/28/2003

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING 7	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 2
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

ADDRESS

22850

TITLE

MAGNETORESISTIVE ELEMENT IN WHICH PINNED MAGNETIZATION LAYERS HAVE ANTIPARALLEL
 PINNED DIRECTIONS, MAGNETIC HEAD AND MAGNETIC RECORDING/REPRODUCING APPARATUS

FILING FEE RECEIVED 1180	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit